

CLAIMS

1. A turbine for rotation about a longitudinal axis substantially perpendicular to the direction of fluid flow, said turbine comprising three longitudinally extending blades each of which increases in axial cross-sectional width along the axis, the leading surface of each said blade diverting fluid flow impinging thereon to generate a zone of reduced fluid pressure acting thereon and the trailing surface of each said blade having turbulent fluid flow impinging thereon to generate a zone of increased fluid pressure acting thereon.
2. The turbine as claimed in claim 1, wherein each blade includes an edge strip rearwardly inclined relative to the direction of rotation.
3. The turbine as claimed in claim 1 or claim 2, and having the three blades arranged equally at substantially 120° about said axis.
4. The turbine as claimed in any one of claims 1 – 3, wherein the pitch of said blades is from 90° - 120°.
5. A plurality of turbines as claimed in any one of claims 1 – 4, and mounted on said longitudinal axis.
6. The plurality of turbines as claimed in claim 5, wherein each successive turbine is radially displaced from its preceding turbine by a radial displacement relative to said longitudinal axis.
7. The plurality of turbines as claimed in claim 6, wherein said radial displacement is from 10 degrees to 60 degrees.
8. The turbine or turbines as claimed in any one of claims 1 – 7, and mounted for rotation by wind.
9. The turbine or turbines as claimed in any one of claim 1 – 7, and mounted for rotation by liquid.
10. The turbine or turbines as claimed in any one of claims 1 – 9, and coupled to an electric generator.